



SAFETY DATA SHEET ARBOSIL HM

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name ARBOSIL HM

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses General purpose silicone sealant

1.3. Details of the supplier of the safety data sheet

Supplier Adshead Ratcliffe & Co. Ltd.
Derby Road, Belper
Derbyshire.
DE56 1WJ
Tel. (+44) 01773 826661
Fax. (+44) 01773 821215
sds@arbo.co.uk

1.4. Emergency telephone number

(+44) 01773 826661 (office hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

2.2. Label elements

Risk Phrases
Safety Phrases

NC	Not classified.
P13	Safety data sheet available for professional user on request.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

TRIACETOXYMETHYLSILANE	1-<5%
CAS-No.: 4253-34-3	EC No.: 224-221-9
Classification (EC 1272/2008) EUH014 Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn;R22. C;R34. R14.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Polydimethylsiloxane with fillers, auxiliaries. acetoxysilane crosslinking agent.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

No specific symptoms noted.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

See Section 4.1

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray. Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acetic acid.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

In case of fire, toxic gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours.

Protective equipment for fire-fighters

Wear self contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Wear personal protective equipment (See section 8).

6.2. Environmental precautions

Do not allow into watercourses. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Collect in containers and seal securely. Clean any slippery coating that remains using a detergent / soap solution or other biodegradable cleaner.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Provide good ventilation. Observe good chemical hygiene practices.

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7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Unspecified storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Gunnable sealant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Engineering measures

Well-ventilated area.

Respiratory equipment

In case of inadequate ventilation use suitable respirator. Use of ABEK mask filter during prolonged exposure advised.

Hand protection

Use protective gloves made of: Viton rubber (fluor rubber). Gloves suitable for up to 60 minutes use.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Uncured -paste. Cured - rubber.
Colour	Misc. colours.
Odour	Pungent.
Solubility	Practically insoluble
Initial boiling point and boiling range	
Not applicable.	
Melting point (°C)	
Not applicable.	
Relative density	~ 1.04
Vapour density (air=1)	
Not applicable.	
Vapour pressure	
Not applicable.	
Evaporation rate	
Not applicable.	
	Product displays acidic reaction with water.
Viscosity	~8, 000
Ps	
Solubility Value (G/100G H2O@20°C)	
Not applicable.	
	Hydrolytic decomposition occurs.

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Decomposition temperature (°C)

Not determined.

Odour Threshold, Lower

Not applicable.

Odour Threshold, Upper

Not applicable.

Flash point

Not applicable.

Auto Ignition Temperature (°C) ~ 400

Flammability Limit - Lower(%) 4 (acetic acid)

Flammability Limit - Upper(%) 17 (acetic acid)

Partition Coefficient

(N-Octanol/Water)

Not applicable.

Explosive properties

Not known.

Oxidising properties

Not applicable.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions. Moisture curing process releases: a small amount of acetic acid

10.3. Possibility of hazardous reactions

Not known.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid contact with: Water, moisture.

10.5. Incompatible materials

Materials To Avoid

Reacts with water, basic substances and alcohols. Reaction causes the formation of acetic acid.

10.6. Hazardous decomposition products

By hydrolysis: Acetic acid. Toxic mixtures generated with: Temperatures of ~ 150 C may generate: A small amount of formaldehyde, through oxidation.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxic Dose 1 - LD 50 Not determined.

Toxic Conc. - LC 50 Not determined.

Toxicological information

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

Acute toxicity:

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Product of hydrolysis: In contact with moisture product generates a small amount of acetic acid which is irritating to skin and mucous membranes.

Serious eye damage/irritation:

By analogy to a tested similar product. By eye contact: slight irritation possible.

Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Does not contain any substances known to be mutagenic.

Carcinogenicity:

Does not contain any substances known to be carcinogenic.

Reproductive Toxicity:

Does not contain any substances known to be toxic to reproduction.

Inhalation

No specific health warnings noted.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Skin contact

Skin irritation is not anticipated when used normally.

Eye contact

Evaluation in analogy to a tested similar product: Slight irritation possible.

Health Warnings

Moisture curing process releases a small amount of acetic acid which can irritate skin and mucous membranes. Serious long-term effects are not known to be related to this type of product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/ EC and classified for ecotoxicological hazards accordingly. In cross-linked state not soluble in water. Easily separable from water by filtration.

12.1. Toxicity

There are no data for the product.

Acute Fish Toxicity

Toxicity to fish is improbable.

LC 50, 96 Hrs, Fish mg/l Not determined.

EC 50, 48 Hrs, Daphnia, mg/l Not determined.

IC 50, 72 Hrs, Algae, mg/l Not determined.

12.2. Persistence and degradability

Degradability

Not degradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation in aquatic organisms is not expected.

Partition coefficient

Not applicable.

12.4. Mobility in soil

Mobility:

Not relevant, due to the form of the product.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Confirm disposal procedures with environmental engineer and local regulations.

Waste Class

Recommended EWC Code 08 04 10

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) 1907/2006 REACH. Regulation (EC) 1272/2008 CLP.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Revised sections: 3, New format as required by REACH Annex II

Revision Date 22/06/12

Supersedes date 09/11/06

SDS No. 10008

ARBOSIL HM

Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
NC	Not classified.
R14	Reacts violently with water.

Hazard Statements In Full

H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
EUH014	Reacts violently with water.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.